



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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ROD R. BLAGOJEVICH, GOVERNOR

815-223-1714

EPA Region 5 Records Ctr.



298521

August 5, 2005

Mr. Russ Hart Remedial Project Manager SR-6J
United States Environmental Protection Agency
Region V
77 W. Jackson Blvd.
Chicago, Illinois 60604-3590

Refer to: 2010300074—Winnebago County
Southeast Rock Groundwater Contamination Site
Superfund/Technical Reports

Dear Mr. Hart

The Illinois Environmental Protection Agency (Illinois EPA) Toxicology Assessment Unit (TAU) and the NPL unit has reviewed the issue regarding the potential release of volatile organic compounds (VOCs) to the air during the planned excavation of contaminated soil at source area 4. A level of 1 part per million (ppm) above background of total VOC emissions from the excavation at the property boundaries will be utilized as a corrective action level. This level will be used to indicate when air concentrations at the site perimeter may pose a risk to nearby residents. The value of 1 ppm is specific for Source Area 4 for the concentrations of contaminants of concern (COC) detected in soil and for the estimated length of time for the interim soil removal. This level is based in part on USEPA's AEGL 1 for an 8 hour exposure to carbon disulfide of 2 ppm and CDM's action level of 1 ppmv.

During the course of the interim soil removal, a photoionization detector (PID) and or flame ionization detector (FID) will be used to determine if concentrations are exceeding 1 ppm. Background levels will also be taken around the area surrounding the planned excavation before and after the excavation is completed. A level of 1 ppm sustained for 1 minute will first trigger responses by Illinois EPA's contractor to contain emissions below the 1 ppm. The planned courses of action include covering the excavation with a liner, placement of fill materials, and the potential use of suppressant foam. Should these measures prove to be unsuccessful in containing emissions of COC it may become

necessary to cease the excavation and explore another temporary method of containment for the shallow contaminated soil. If you have any questions, please feel free to contact me at the telephone number 815-223-1714 or Terry Ayers at 217-524-3300.

Sincerely,

A handwritten signature in black ink that reads "Thomas Williams by" followed by a stylized monogram or initials.

Thomas C. Williams LPG.

cc: Bureau of Land File
Tracey Hurley TAU
Virginia Forrer OCR
Jason Throp Rockford Regional Office
Paul Jagiello DLC Des Plaines Regional Office
Terry Ayers NPL

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